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(71) Applicant (for all designated States except US): **CLIFF PLASTIC PRODUCTS LTD [GB/GB]**; Evershed Court, Fairlight Avenue, Telscombe Cliffs, East Sussex BN10 7BU (GB).

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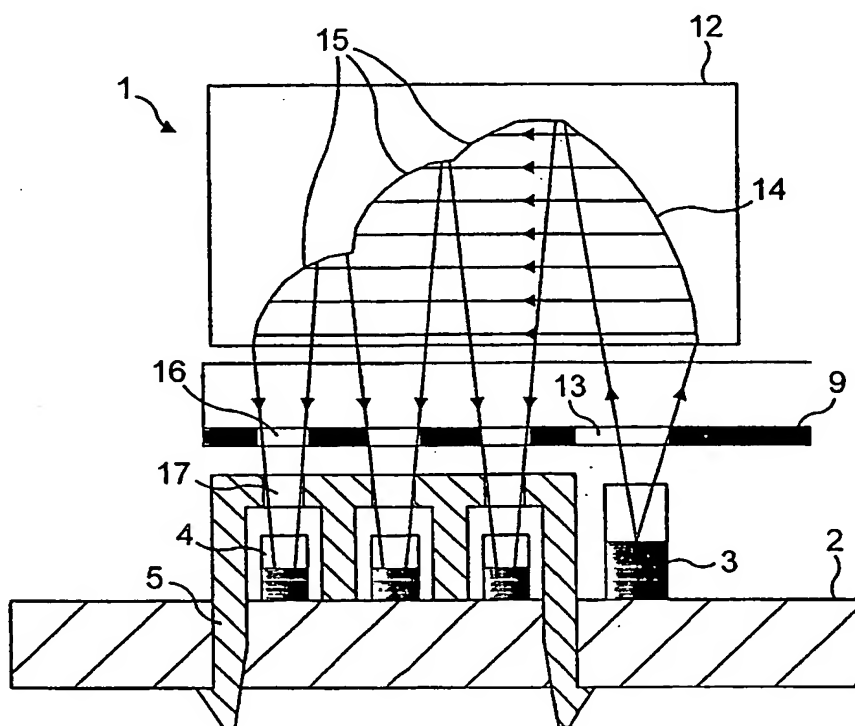
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(72) Inventor; and
(75) Inventor/Applicant (for US only): **SCHAAKE, Henk** [NL/NL]; Hooizolder 258, NL-9250 CE Drachten (NL).
(74) Agent: **FRANK B. DEHN & CO.**; 179 Queen Victoria Street, London EC4V 4EL (GB).

(54) Title: **OPTICAL CONTROLS**



(57) **Abstract:** An optical control in the form of a rotary optical encoder includes a Gray code generating disk (9), a light source (3), a series of three light detectors (4), and an apertured cover (5) arranged over the light detectors (4). The control further includes a reflector (12) which redirects the light from the light source (3) to the detectors (4). The reflector (12) comprises a first parabolic reflective surface (14) which reflects the incident light from the light source (3) into a number of parabolic secondary reflective surfaces (15), each of which reflects and concentrates the light through the apertured cover (5) towards a particular light detector (4).

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